Purchasing Receipts

ALUMINUM POLICIANS DE PARA AS PER PA COLAZZISIO OR ALUMINUM POLICIANS DE PARA AS PER COLAZZISIO OR AMIS-OLA, AZGISIO OR AMIS-OLA, AZGIS	PO No	Supplier	Line Item No		Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Uni
X. 290 MATERIAL 5061- Forestorist ALUMINUM ANGE AS PER AMS-QOA-200/8 receive ft ALUMINUM ANGE AS PER AMS-QOA-200/8 receive ft ALUMINUM ANGE AS PER AMS-QOA-200/8 Receive ft ALUMINUM ANGE AS PER AMS-QOA-200/8 MATERIAL 5061- TOTICS ITES OTES ITES ALUMINUM BAR PER OA-200-00 A2250 OR AMS-QOA-200/8 OR AMS-QOA-200/9 OR AM	0039779			1	Net 30		MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM ROUND BA SPER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ- AA-200/8 OR AMS-QQ-A- 200/8 OR AMS 4160 OR ASTM B221 OR ASTM				12	5/9/2018	12		5068498	Stock	5/4/2018	\$ 3,28 / ft
MATERIAL, 8061- TETERS/ITSS IOTES 11/TES ALUMINUM BAR PER QD-A; 2258 OR AMS-QD- A; 2258 OR AMS-QD- A; 2008 OR AMS-QD- A; 2258 OR AMS-QD- A; 2018 O			2		100		X .250 : MATERIAL: 6061- T6/T6510/T6511 ALUMINUM ANGLE AS PER AMS-QQ-A-200/8				20		20	B	S068499	Stock	5/4/2018	\$ 6.04 / ft
MATERIAL: 6061- T6/T651/T6510/T6510/T652 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS-QQ- A-225/8 OR AMS-QQ- A-200/8 OR AMS-4160 OR ASTM B211 OR ASTM B210 Receive ft MATERIAL: 6061- T6/T651/T6510			3				MATERIAL: 6061- T671651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS- 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 OR ASTM B211 OR				24		24		\$068500	Stock	5/4/2018	\$ 6.95 / ft
MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS-QQ- A-220/8 OR AMS-QQ- A-200/8 OR MS-11 OR ASTM B211 OR ASTM B221 receive ft 6 M304R1.750 304 Round Bar 1.750: MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE			4				MATERIAL: 8061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS \$117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 DR ASTM B211 OR						24		\$068501	Stock	5/4/2018	\$ 2.49 / ft
MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE			5			1 1 1 1 1 1	MATERIAL: 6061- 16/T651/T6510/T6511/T62 ALUMINUM BAR PER 20-A-225/8 OR AMS-QQ- A-225/8 OR AMS 117/4128/4115/4116 OR 20-A-200/8 OR AMS-QQ- W-200/8 OR AMS 4160 OR ASTM B211 OR				40		80	8	5068502	Stock 5	6/4/2018	3.25/ft
receive ft			6		A.	N S A 3	MATERIAL: AISI 304/316 IS ROUND BAR AS PER ISTM A276 NOTE: AISI 03 NOT ACCEPTABLE				12		12	S	068503 S	Stock 5	/4/2018 S	22.15 / ft

Plex 5/4/2018 10:03 AM Dart Dubois Pascal



Dart Aerospace Ltd. 1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada

PURCHASE ORDER PO039779

Tel (613) 632-5200

Supplier:

Ship To:

THY001-VC

Thyssenkrupp Materials CA Ltd O/A VPK Metal- c/o T27540 PO Box 4275, Postal"A"

Toronto ON

M5W 5V8 Canada Phone: 905 669 9444 Fax: 905 738 9033

1270 Aberdeen Street

Hawkesbury

K6A 1K7 Canada Phone: 613-632-5200

ON

PO No:

PO039779

PO Date: Due Date: 5/2/18 5/9/18

Purchase Order Revision:

Revision Date:

Ship-To Contact:

Lavoie, ChantalPhone:

clavoie@dartaero.com

Via:

Ground

Pymt Terms:

Net 30

Freight Terms:

Special Comments: quote no. 1203098041

Items Line Supplier Due Order Received Unit Extended Item **Part** Part No Description Status Date Quantity Balance Price (CAD) Quantity Price M6061T6R1.125 6061 Round Bar 1.125 Firmed 5/9/18 12 ft 0 ft 12 ft \$3.28/ft \$39.36 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR DAS 11 **AS PER QQ-A-225/8 OR** AMS-QQ-A-225/8 OR MAY 0 4 2018 9-89 AMS 4117 4128/4115/4116 OR QQ-AA-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft M6061T6A4.000W.250 6061T6 Angle 4.00 X 4.00 Firmed 5/9/18 20 ft 20 ft 0ft \$6.04/ft \$120.80 X .250 : MATERIAL: 6061-T6/T6510/T6511 **ALUMINUM ANGLE AS** MAY 0 4 2018 -89 PER AMS-QQ-A-200/8 receive ft M6061T6B0.500X04.500 6061T6 Bar 0.500 X 4.500 Firmed 5/9/18 24 ft 0 ft 24 ft \$6.95/ft \$166.80 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-AS A-225/8 OR AMS 4117/4128/4115/4116 OR MAY 0 4 2018 QQ-A-200/8 OR AMS-QQ--89 A-200/8 OR AMS 4160 OR ASTM B211 OR **ASTM B221** receive ft

Plex 5/2/18 1:50 PM dart.lavoie.chantal

	1		It	ems						
Line Item		Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity		Unit Price (CAD)	Extended Price
4	M6061T6B0,750X01.000		6061-T6 Bar .750 X 1.00 : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	5/9/18	24 ft	72/		\$2.49/ft DAS 11 14 2010	\$59.76
5	M6061T6B0.750X00.125		6061-T6 Bar .750 X .125 : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	5/9/18	40 ft	80	40 ft	\$3.25/ft MAY 0 4 20	\$130.00 118 DAS 11 9-89
6	M304R1.750		304 Round Bar 1.750 : MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Firmed	5/9/18	12 ft	12	12 ft	\$22.15/ft AY 0 4 2016	\$265.80 DAS 11 9-89
									Frand Total:	\$782.52

Order Notes

Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

M

CZ

Plex 5/2/18 1:50 PM dart.lavoie.chantal

JC



thyssenkrupp Materials NA,2821 Langstaff Road, Concord, ON L4K 5C6

DELIVERY NOTE

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY ON K6A 1K7

MTE

DATE:

05/04/2018

DOC. NO:

2405940913*

BOL. NO:

2405940913

ORDER NO:

1403630272

YOUR P/O:

39779

CUSTOMER NO:

10058125

Route:

303UA

CONTACT:

Stan Ivers

TEL:

905-532-1350 ext 21350

FAX:

905-738-9033 ext 9033

EMAIL:

STAN.IVERS@THYSSENKRUP

P.COM

--- COM

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **

** REFERENCED ON IT **

Deliveries are carried out for your account and risk acc. to our Gen. Terms & Cond. of Delivery and Payment.

0010 SSRD11496 T-304L Stainless Steel Round 1 1008569993

PACKAG

T-304L Stainless Steel Round
1.7500 " X 144 Mill Length

PC

Actual Chemistry/Act. Physical

103 lb

105,000 lb

NET QTY1 / QTY2

Standard Packaging

TAGNUM QTY 2001350466 1

DESCRIPTION

ITEM

U

UOM VEND PC FIDELITY VENDPO HLOT 0000283688 CH-4346 PCS 1

Total Gross Weight

All items, not declared as partial delivery, are final quantities.

Delivery Terms: PPD gem. Incoterms 2000 Prepaid TRANSFER TRUCK

CERTIFICAT DE CONFORMITÉ/CERTIFICATE OF COMPLIANCE

*thyssenkrupp Matériaux NA certifie que le matériel décrit ci-dessus est conforme aux dessins ou spécifications exigés sur le bon de commande et qui sont en vigueur à la date ou la commande a été acceptée./ thyssenkrupp Materials NA certifies that the material described above is in accordance with the drawings or specifications called for on said order that are current on the date order was accepted.

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David Noordine - Director of Quality Assurance

thyssenkrupp Materials NA 22355 W 11 Mile Road Southfield, MI 48033



thyssenkrupp Materials NA,2821 Langstaff Road, Concord, ON L4K 5C6

DELIVERY NOTE

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY ON K6A 1K7



DATE:

05/04/2018

DOC. NO:

2405940914*

BOL. NO:

2405940914

ORDER NO:

1403630272

YOUR P/O:

39779

CUSTOMER NO:

10058125

Route:

303UA

CONTACT:

Stan Ivers

905-532-1350 ext 21350

TEL:

FAX:

905-738-9033 ext 9033

EMAIL:

STAN.IVERS@THYSSENKRUP

P.COM

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR TO SHIPPING.

ATTN: CHANTAL/LINDA

ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **

REFERENCED ON IT **

Deliveries are carried out for your account and risk acc. to our Gen. Terms & Cond. of Delivery and Payment.

ITEM	DESCRIPTION	NET QTY1 / QTY2	PACKAG
0010	ALREC00778	4	1008569740
	6061 T6511 Aluminum Extruded Rectangular	PC	
	0.12500 (+007) X 0.7500 (+010) X 240 Mill Length	10	
	Nominal Chemistry/Act Physical	lb	
	Standard Packaging		
	TAGNUM QTY UOMVEND VENDPO HLOT PCS COM		
	2001350428 4 PC CAN ART A 0000286896 3B6959 4		
	ROHS COMPLIANT;ASTM B 221 2014		
	Total Gross Weight	12.000 lb	

All items, not declared as partial delivery, are final quantities.

Delivery Terms: PPD gem. Incoterms 2000 Prepaid TRANSFER TRUCK

CERTIFICAT DE CONFORMITÉ/CERTIFICATE OF COMPLIANCE

*thyssenkrupp Matériaux NA certifie que le matériel décrit ci-dessus est conforme aux dessins ou spécifications exigés sur le bon de commande et qui sont en vigueur à la date ou la commande a été acceptée./ thyssenkrupp Materials NA certifies that the material described above is in accordance with the drawings or specifications called for on said order that are current on the date order was accepted.

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David Noordine - Director of Quality Assurance





thyssenkrupp Materials NA,2821 Langstaff Road, Concord, ON L4K 5C6

DELIVERY NOTE

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY ON K6A 1K7



DATE:

DOC. NO: BOL. NO:

ORDER NO: 1403630272

YOUR P/O: CUSTOMER NO: Route:

10058125 **303UA**

05/04/2018

2405940915*

2405940915

CONTACT:

Stan Ivers 905-532-1350 ext 21350

TEL: FAX: EMAIL:

905-738-9033 ext 9033 STAN.IVERS@THYSSENKRUP

P.COM

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **

** REFERENCED ON IT **

Deliveries are carried out for your account and risk acc. to our Gen. Terms & Cond. of Delivery and Payment.

NET QTY1 / QTY2 PACKAG DESCRIPTION **ITEM** 2 1008569995 0010 ALREC00857 PC 6061 T6511 Aluminum Extruded Rectangular 22 0.75000 (+-.010) X 1.0000 (+-.012) X 144 Mill Length lb Nominal Chemistry/Act Physical Standard Packaging VENDPO HLOT **PCS** --- COM TAGNUM **UOM VEND** QTY 5400392539 201805575 2001350467 2 PC SERVICE C ROHS COMPLIANT; ASTM B 221 | 2014 24.000 lb **Total Gross Weight**

All items, not declared as partial delivery, are final quantities.

Delivery Terms: PPD gem. Incoterms 2000 Prepaid TRANSFER TRUCK

CERTIFICAT DE CONFORMITÉ/CERTIFICATE OF COMPLIANCE

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David Noordine - Director of Quality Assurance

thyssenkrupp Materials NA 22355 W 11 Mile Road Southfield, MI 48033 DART AEROSPACE LTD

HAWKESBURY ON K6A 1K7

1270 ABERDEEN ST





thyssenkrupp Materials NA,2821 Langstaff Road, Concord, ON L4K 5C6

DELIVERY NOTE

DATE:

05/04/2018

DOC. NO:

2405940912*

BOL. NO:

2405940912

ORDER NO:

1403630272

YOUR P/O:

39779

CUSTOMER NO:

10058125

Route:

303UA

CONTACT:

Stan Ivers

TEL:

905-532-1350 ext 21350

FAX:

905-738-9033 ext 9033

EMAIL:

STAN.IVERS@THYSSENKRUP

P.COM

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ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **

REFERENCED ON IT **

Deliveries are carried out for your account and risk acc. to our Gen. Terms & Cond. of Delivery and Payment.

NET QTY1 / QTY2 **PACKAG** ITEM DESCRIPTION 1008569991 0010 ALREC00548 2 PC 6061 T6511 Aluminum Extruded Rectangular 63 0.50000 (+-.009) X 4.5000 (+-.034) X 144 Mill Length lb Nominal Chemistry/Act Physical Standard Packaging **VENDPO** PCS --- COM HLOT TAGNUM QTY **UOM VEND** PC SERVICE C 5400379605 201721131 2001350465 2 ROHS COMPLIANT; ASTM B 221 | 2014 Total Gross Weight 65.000 lb

All items, not declared as partial delivery, are final quantities. Delivery Terms: PPD gem. Incoterms 2000 Prepaid TRANSFER TRUCK

CERTIFICAT DE CONFORMITÉ/CERTIFICATE OF COMPLIANCE

*thyssenkrupp Matériaux NA certifie que le matériel décrit ci-dessus est conforme aux dessins ou spécifications exigés sur le bon de commande et qui sont en vigueur à la date ou la commande a été acceptée./ thyssenkrupp Materials NA certifies that the material described above is in accordance with the drawings or specifications called for on said order that are current on the date order was accepted.

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David Noordine - Director of Quality Assurance





thyssenkrupp Materials NA,2821 Langstaff Road, Concord, ON L4K 5C6

DELIVERY NOTE

DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY ON K6A 1K7

DATE:

05/04/2018

DOC. NO:

2405940911*

BOL. NO:

2405940911

ORDER NO:

1403630272

YOUR P/O:

39779

CUSTOMER NO:

10058125

Route:

303UA

CONTACT:

Stan Ivers

TEL:

905-532-1350 ext 21350

FAX:

905-738-9033 ext 9033

STAN.IVERS@THYSSENKRUP

EMAIL:

P.COM

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR TO SHIPPING

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **

REFERENCED ON IT **

Deliveries are carried out for your account and risk acc. to our Gen. Terms & Cond. of Delivery and Payment.

ITEM	DESCRIPTION	NET QTY1 / QTY2	PACKAG
0010	ALANG39172	1	1008569735
	6061 T6511 Aluminum Angle	PC	
	Extruded Canadian Standard	47	
	4.0000 X 4.0000 X 0.25000 X 240.0000 " Mill Length, 240 IN	lb	
	Nominal Chemistry/Act Physical		
	Standard Packaging		
	TAGNUM QTY UOMVEND VENDPO HLOT PCS COM		
	2001350427 1 PC EXTRUDEX 5400392708 39113 1		
	Total Gross Weight	61.000 lb	

All items, not declared as partial delivery, are final quantities. Delivery Terms: PPD gem. Incoterms 2000 Prepaid TRANSFER TRUCK

CERTIFICAT DE CONFORMITÉ/CERTIFICATE OF COMPLIANCE

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David Noordine - Director of Quality Assurance

thyssenkrupp Materials NA 22355 W 11 Mile Road Southfield, MI 48033





thyssenkrupp Materials NA,2821 Langstaff Road, Concord, ON L4K 5C6

DELIVERY NOTE

DART AEROSPACE LTD 1270 ABERDEEN ST

HAWKESBURY ON K6A 1K7

ATE:

DATE: 05/04/2018

DOC. NO: 2405940910*

BOL. NO: 2405940910 ORDER NO: 1403630272

YOUR P/O: 39779

CUSTOMER NO: 10058125

Route: 10030125

CONTACT: Stan Iver

ONTACT: Stan Ivers

TEL: 905-532-1350 ext 21350 FAX: 905-738-9033 ext 9033

EMAIL: STAN, IVERS@THYSSENKRUP

P.COM

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **

** REFERENCED ON IT **

Deliveries are carried out for your account and risk acc. to our Gen. Terms & Cond. of Delivery and Payment.

ITEM DESCRIPTION NET QTY1 / QTY2 **PACKAG** 0010 ALRD00329 1008569989 1 PC 6061 T6511 Aluminum Extruded Round 1.1250 (+-.006) X 144 " Mill Length 14 lb Nominal Chemistry/Act Physical Standard Packaging **TAGNUM** QTY **UOM VEND VENDPO** HLOT **PCS** COM 201706499 PC -----2001350463 1 ROHS COMPLIANT; ASTM B 221 | 2014 **Total Gross Weight** 28.000 lb

All items, not declared as partial delivery, are final quantities.

Delivery Terms: PPD gem. Incoterms 2000 Prepaid TRANSFER TRUCK

CERTIFICAT DE CONFORMITÉ/CERTIFICATE OF COMPLIANCE

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David Noordine - Director of Quality Assurance



MATERIAL: MG06 DATE: MA	Yt	6A	4.000	W, 250	PO / BATCH	NO.: <u>0397</u>	179/5068
MATERIAL CERT REC'D: QUANTITY RECEIVED: QUANTITY INSPECTED: QUANTITY REJECTED:	010			THIC	CKNESS ORDEI CKNESS RECEI ET SIZE ORDEI ET SIZE RECEI	/ED: 4 25 RED: N/	
DESCRIPTION	NC (Che	eck			COMMENT	s	
SURFACE DAMAGE		(N					
CORRECT FINISH	(Y)	N					
CORROSION	Y	(N)					
CORRECT GRAIN DIRECTION	(2)	N		-01	11.10		
		N	AMS	Q.Q.A	40018		
CORRECT THICKNESS	W	N			70		
PHOTO REQUIRED CORRECT REF # TO LINK CERT	(1)	N	ilast.	10+±= 30	7112		
0011112011121 # 10 211111 02111	(A)	N	HUO	1014-09	(113		
	M	N					
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N					
DOES THIS REQUIRE AN EXTRUSION REPORT	Υ	(S)					
CUT SAMPLE PIECE		EC	ORD RES	SULTS BELOV	N		
TYPE OF MATERIAL	-		HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL SIZE OF TEST SAMPLE	-						-
HARDNESS / DUROMETER READIN	ig F			-			+
TARBINEOU / BONOME / EXTREMENT		sters	located in	the Quality Offi	ce		
QC 18 INSPECTION							F (if required)
INSPECTED BY: DAS DATE: 9-89 MAY D		40		SIG	NED OFF BY:		
DATE: 9-89 MAY U	4 20	19			DATE:		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

B PART NUMBER CALL OUT REWRITTEN
A NEW ISSUE

On live so

AJS
PRAWKESBURY, ONTARIO CANADA

LE
DRAWING NO

LE
DRAWING NO

SHEET 10F 1

SCALE AJS 08 03 06 MB 08.02.14 BY DATE 6061-T6 ANGLE SC COPYRIGHT 5 200 BY DART AEROSPACE LTD DESCRIPTION DESIGN AJS
DRAWN
CHECKED
WFG. APPR
APPROVED
DE APPR
DATE
08.03.06

PART NUMBER:

PURCHASE MATERIAL, 6061-19/16619/16511 ALDMINUM ANGLE

WHERE HHH = HEIGHT WWW = THICKNESS

HEIGHT

E G. 0.75" X 0.75" X 0.125" = M6061T6A750XW125

SPECIFICATION CONTROL DRAWING

C

 \cup

⋖



411CHRISLEA ROAD, WOODBRIDGE, ONTARIO, CANADA L4L 8N4 TEL: (416)745-4444 FAX:(416)745-0925 1-800-668-7210 http://www.extrudex.com

EXTRUDEX ORDER NO. MANIFEST NO

216067

388927

ASTM B221-14 AMS QQA 200/8

CERTIFICATION

MADE IN CANADA

TK Materials CA, Ltd. From:

DART AEROSPACE LTD

CstAr

*1 - CUSTOMER COPY

Quality Control Manager Tulsiram Mohabir

Wgt.: 47 LB

Del.: 2405940911

39113

6061 ALE

0.575 2

0.237 0.199 0.0791

0.832 M

0.0653 P

0.0174

0.0192

0

교

15

M

2 0

Zn

Н

8 0

Œ 0

N 0

0 0

8 0

R 0

15 0

8 0

Other

Remainder 2

specifications.

We certify that the following extrusions have been quality inspected/tested and conforms to required dimensional and temper

Cast Number

o A.11

Chemical Composition

A.11

6061

Jan/18/2018

42.80

Test Date

Ultimate Tensile Strength (KSI)

Yield Strength (KSI)

Elongation Percent

16.20

86.5,86.8,87.2 Rockwell F **Hardness**

Conductivity

lot lot

Alloy

Mechanical Properties

SHIP TO

THYSSENKRUPP MATERIALS, NA

THYSSENKRUPP MATERIALS, NA

5400392708-C1A

6061

T6511

PETER BASHMAKOV

TEMPER

PART DESCRIPTION 4"x.250" RF AN

CUSTOMER PO

CUSTOMER PART NUMBER
ALANG39172

CERT CODE:

DIE NUMBER

DATE OF SHIPMENT

Apr/09/2018

22448

BILL TO

SO DESCRIPTION 4"X.250" RF AN

CstOr 39779 05/03/2018 Date

lamas

MATERIAL CERT REC'D:	100			THI	CKNESS ORDE	RED: () 5	20
QUANTITY RECEIVED:	21	1 1		-			
	27	1			CKNESS RECE		1/1
QUANTITY INSPECTED:	24			-	ET SIZE ORDE		14
QUANTITY REJECTED:	<u> </u>			SHE	ET SIZE RECEI	VED:	/A
	L						
DESCRIPTION		CR leck			COMMEN.	TO	
DESCRIPTION	١,	N)			COMMEN	13	
SURFACE DAMAGE		(N)					
CORRECT FINISH	M	N					
CORROSION	Y	(N)					
CORRECT GRAIN DIRECTION	(7)	N					
CORRECT MATERIAL PER M-DRAWING	8	N	Ans S	-00A-	20010		
CORRECT THICKNESS	(Y)	N.	7000		0		
PHOTO REQUIRED	Y	(N)		- 10			
CORRECT REF # TO LINK CERT	(X)	Ñ	Heat	LOFF LC	172113	1	
DRRECT MATERIAL IDENTFICATION	X	N					-
CORRECT M# ON THE MATERIAL	A	N					
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)					
DOES THIS REQUIRE AN EXTRUSION REPORT	Υ	N					
CUT SAMPLE PIEC	F 0F		TEDIAL	ND DDEEO	DM A LIADDNE	00 01 15014	
CUT SAMPLE PIEC				SULTS BELO		SS CHECK.	
	- 1	1	HRC	HRB	DURA	DUR D	WEBSTER
PE OF MATERIAL			11110	11110	DONA	DOILD	**LDOTEN
ZE OF TEST SAMPLE			-				1
ARDNESS / DUROMETER READ	NG						
		sters	located in	the Quality Off	ice	1	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

INSPECTED BY: DAS
DATE: 9-89 MAY 0 4 2018

DELEASE 7009 -05- 03

PURCHASE MATERIAL: 6061-76/7651/76510/T6511/762 ALUMINUM BAR

SPECIFICATION CONTROL DRAWING

Ω

SPECIFICATION: 00-4-2268 QB AMS-00-4-2258 (OR AMS 4117/4128/4115/4116) OR QC-4-200/8 QR AMS-00-4-200/8 (OR AMS 4160) OR ASTM B211 QR ASTM B221

(a)

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M6061168 T.TTT | X | WW.WWW

PART NUMBER:

WHERE "T.TT" = THICKNESS IN INCHES "WW WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000



BILL TO

Thyssenkrupp Materials NA

Service Center Metals

Prince George, VA 23875 5850 Quality Way

CERTIFIED INSPECTION REPORT AND TEST RESULTS

FOR EXTRUDED PRODUCTS

CUSTOMER PO MANIFEST NUMBER 354652

CUSTOMER PART NUMBER 5400379605

ThyssenKrupp Materials NA-Concord, ON

Quantity Certified

1,016 lbs

32 pcs

DIE NUMBER ALLOY / TEMPER 6061-T6511 RB0456

DATE OF SWIPMENT SALESPERSON

D.Schroeder (Canada) 1/10/2018

938724

OUR ORDER NUMBER

CERTIFICATION

ASTM-B221-14 StencilCont

AMS-QQA-200/8 Rev-A SPECIFICATION

RoHS 2611/65/EU Compliant

ALREC00548 SCRB .500 x 4.500

All aluminum products supplied by Service Center Metals, LLC contain no functional mercury. Neither mercury nor its compounds are used in the manufacture of aluminum products at our facility. Furthermore, aluminum products supplied by Service Center Metals have not, to the best of our knowledge, contacted any source of mercury. We hereby certify that the material covered by this report has been inspected in accordance with the inter-useral certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6.

SCM Is ISO 9001-2015 certified

This product is RoHS-2, REACH, and DFARS compliant

Tests Lot No.	Lot No.	, on						<u>Ie</u>	Test Date		Ultimate Tensile Strength (KSI)	(KSI)	Yield S	Yield Strength (KSI)	im	Percent Elongation
2 2017	201721131 W	<i>P</i>						چه	1/7/18		min 41.20	max 41.30	min 36.20	max 36.90	min 23.30	30
Chemical Composition for Aluminum Alloy 6061	ompositio	n for /	Numin	um All	y 6061											
Chemical C	Composition Lot No.	n for A	Numin	Ee Alla	<u>ੂੰ</u>	<u>S</u>	Mg	ļΩ	Zn	ы	₽	Each	Others	M	alt Sourc	ò
Cast # Lot No. 002J171116B 201721131	Lot No.	Alloy	Numin Si 0.62	um Alla Fe	о у 6061			<u>Cr</u>	<u>Zn</u> 0.03		97.88	Each	thers Total 0.15	<u>M∈</u>	Melt Source: United States of America	S 99

DART AEROSPACE LTD

SOM products are melted and extruded in the USA

CstAr

Print Date: 1/10/2018

Rev 7/20/17

Calvin J. Wiggins, Director of Quality & Technical Services

CstOr 39779 05/03/2018 Date

Del.: 2405940912

Wgt.: 63 LB

MATERIAL:	M606176BO. 750	(01.00) PO/BATCH NO: 039779/5068501
DATE:	* *	,
MATERIAL CERT REC'D:	Y.25	THICKNESS ORDERED: 0.750
QUANTITY RECEIVED:	241	THICKNESS RECEIVED: 0.750
QUANTITY INSPECTED:	241	SHEET SIZE ORDERED: 1/1/A
QUANTITY REJECTED:	Ø	SHEET SIZE RECEIVED: NA

DESCRIPTION	(Ch	CR eck (N)	COMMENTS
SURFACE DAMAGE	Y.	(N)	
CORRECT FINISH	(Y)	N	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	Y	N	
CORRECT MATERIAL PER M-DRAWING	(X)	N	QQ-A-200/8
CORRECT THICKNESS	(Y)	N	
PHOTO REQUIRED	X	(N)	
CORRECT REF # TO LINK CERT	(3)	N	Hert 401.4 201805575
CORRECT MATERIAL IDENTFICATION	(X)	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Υ	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Υ	2)(2	

CUT SAMPLE PIECE OF				SS CHECK.	
	RECORD RES	OF 12 REFOA	V		
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	A	ENGINEERING SIGNOFF (if required)
INSPECTED BY:	DAS 11	SIGNED OFF BY:
DATE:	9-89MAY 0 4 2018	DATE:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

REV B DS 01 06 08 8Y DATE CP 09.07 13 SHEET 1 OF DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA
DRAWING NO.
M6061T6B
SHEE B REMOVE QQ.A.250/11 OPTION. REFORMAT NOTES, ADD A STM BZ1/16221 (ZN D7-1)
A NEW ISSUE TITLE 6061-T6 BAR MFG APPR.
APPROVED
DE APPR
DATE 09.07.13 DESIGN DRAWN CHECKED

SPECIFICATION: QQ-A-225/8/ØFX4MS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)
OR ASTAIN BZT OR ASTAIN BZ21 PURCHASE MATERIAL: 6061-16/T651/T6510/T6511/T62 ALUMINUM BAR

PART NUMBER:

M6061T6B T.TTT X WW WWW WIDTH THICK

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000 WHERE "T.TT" = THICKNESS IN INCHES "WW.WWW" = WIDTH IN INCHES

B

U

SPECIFICATION CONTROL DRAWING



BILL TO

Thyssenkrupp Materials NA

ThyssenKrupp Materials NA-Concord, ON

Quantity Certified

2,288 lbs

216pcs

CUSTOMER PART NUMBER

5400392539

ALLOY TEMPER

SALESPERSON

RB0114

ALREC00857

Service Center Metals

Prince George, VA 23875 5850 Quality Way

MANIFEST NUMBER

DIE NUMBER

DATE OF SHIPMENT

3/26/2018

362132

CUSTOMER PO

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS



OUR ORDER NUMBER 945842

9

CERTIFICATION ASTM-B221-14 StencilCont

SPECIFICATION.

AMS-QQA-200/8 Rev-Alabsolete

SCRIPTION

SCRB .750x1.000

We hereby certify that the material covered by this report has been inspected in accordance with the most-ecent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the meterial met the composition limits and had the mechanical properties shown. Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6.

6061-T6511 D. Schroeder (Canada)

RoHS 2011/65/EU Compliant

SCM is ISO 9001-2015 certified All aluminum products supplied by Service Center Metals, LLC contain no functional mercury. Neither mercury nor its compounds are used in the manufacture of aluminum products at our facility. Furthermore, aluminum products supplied by Service Center Metals have not, to the bast of our knowledge, contacted any source of mercury.

This product is RoHS-2, REACH, and DFARS compliant

8 201805575	Mechanical Properties Tests Lot No.
3/22/18	Test Da
	te Ultimate Streng
max 51.20	Ultimate Tensile Strength (KSI)
min 44.30	Yield Strengt (KSI)
	ngth
min 16.10	Percent Elongation
	max 51.20

Calvin J. Wiggins, Director of Quality & Technical Services Print Date: United States of America Melt Source: Rav 3/14/2018 3/26/2018

TK Materials CA, Ltd. From:

DART AEROSPACE LTD

CstAr

Cust.

SCM products are melted and extruded in the USA

001J171104A 201805575

6061

0.74

0.38

0.32

0.11

0.90

0.11

0.07

0.03

97.34

0.05

0.15

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Chemical Composition for Aluminum Alloy 6061

Lot No.

Alloy

S

Fe

5

Mn

Mg

Zn

2

Each

Others
Total

Wgt.: 22 LB

CstOr 39779 05/03/2018 Date

Del.: 2405940915

Tomas Sarche

MATERIAL: DATE:	MG06/ +6B0-75	0000125 ролватсн но: <u>039779/so685</u> 52
MATERIAL CERT REC'D: QUANTITY RECEIVED:	725	THICKNESS ORDERED: 0:125 THICKNESS RECEIVED: 0:125
QUANTITY INSPECTED:	30.	SHEET SIZE ORDERED:
QUANTITY REJECTED:	0)	SHEET SIZE RECEIVED: VIA

DESCRIPTION		CR eck N)	COMMENTS
SURFACE DAMAGE	Y	(N)	
CORRECT FINISH	Y	N.	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	Y	N	A
CORRECT MATERIAL PER M-DRAWING	(Y)	N	Astm (522)
CORRECT THICKNESS	Y	N	
PHOTO REQUIRED	X	B	
CORRECT REF # TO LINK CERT	(Y)	N	Heat H 607 H 3136959
CORRECT MATERIAL IDENTFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Υ	(s)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Υ	(A)	

CUT SAMPLE PIECE OF	MATERIAL A			SS CHECK.	
r	KECOKD KES	OLIS BELUI	/V		
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY:	DAS 11	SIGNED OFF BY:
DATE:	9-89MAY 0 4 2018	DATE:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

RELEASE Z009 -05- 03

COPYRIGHT © 2001 BY DART AEROSPACE LTD

DATE 09.07.13

PURCHASE MATERIAL. 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR

SPECIFICATION CONTROL DRAWING

0

SPECIFICATION: QC

B

QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116) OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160) OR ASTM B211 OR (STIV BZ21

PART NUMBER:

M606116B T.TTT X WW.WWW

WHERE "T.TTT" = THICKNESS IN INCHES "WW. WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

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THYSSENKRUPP MATERIALS NA

Certificate of Mill Test Results

Pg 1/1

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

BL.PEC-000000-000 Signed by:

Attn:

PART NO.

Material Test Report

Manifest: 331639

Ship To: ThyssenKrupp Materials NA

2821 Langstaff Road

Ticket:

5565436

Concord, ON LAK 5C6

Our Order: 440234 - 1

Cust P.O.: 286896

Die: ES05485

Part: 05485-000-240

Alloy Temper: 6061 T6511

Description: .125 x .750

Print Date: 10/23/17

Chemical Composition Range											
6061	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	OtherEach	OtherTotal	
Min	0.40		0.15		8.0	0.04					
Max	8.0	0.7	0.40	0.15	1.2	0.35	0.25	0.15	0.05	0.15	

	^		ical Proper rength ksi	ties	
Sample ID	Cast # Lo	ot # Test Date	Ultimate Tensile	Yield 2% offset	Elongation 2" gage length
428886	3B6959 A	11 10/22/17	43.21	40.14	9.2

Applicable Specifications: ASTMB221-14

AMS-QQ-A200/8A

Country of Origin: 85 Parkshore Drive, Brampton, Ontario CANADA L6T 5M1

Can Art Aluminum Extrusion Inc. certifies that materials shipped under this order have been inspected and tested in accordance with Aluminum Association and agreed upon customer specifications. Can Art assumes no liability for additional costs which may be incurred during the customer's manufacture and sale of its products, and is subject only to the replacement of any materials not within agreed upon specifications provided written notification is received by Can Art within 30 days from the date of shipment.

Evan Eng, Quality Assurance Manager

MATERIAL: M304 R1-750 DATE: MAY U 4 ZUIB					PO / BATCH NO.: 039774/506					
MATERIAL CERT REC'D: QUANTITY RECEIVED: QUANTITY INSPECTED: QUANTITY REJECTED:	12-12	(THIC	CKNESS ORDE KNESS RECEI ET SIZE ORDE ET SIZE RECEI	VED:	L.T. N		
DESCRIPTION	NCF (Che Y/N	ck				COMMEN	ΓS			
SURFACE DAMAGE	YI	N)								
CORRECT FINISH	M	7								
CORROSION	Y	N								
CORRECT GRAIN DIRECTION	(2)	M								
CORRECT MATERIAL PER M-DRAWING	(X)	N	Actor	1 42	76					
CORRECT THICKNESS	Y	Ñ	10	• • •	-					
PHOTO REQUIRED			1	4 1	4					
CORRECT REF # TO LINK CERT		N	teat	1017	PC	4-4346	7			
CORRECT MATERIAL IDENTFICATION	1434	N				7-11				
CORRECT M# ON THE MATERIAL	(A)	N								
DOES THIS MATERIAL REQUIRE	V /	N)								
ENGINEERING SIGN OFF	Y	14	·							
DOES THIS REQUIRE AN EXTRUSION REPORT	Y 17	N								
EXTROGION NEI ON	' '(
CUT SAMPLE PIECE	= OF N	MAT	FRIAL A	ND PRI	FORI	M A HARDNE	SS CHE	CK.		
001071111 EE 11E01			RD RES				OU OITE	JI \.		
			HRC	HR		DUR A	DUR	D	WEBSTER	
TYPE OF MATERIAL										
SIZE OF TEST SAMPLE	-									

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: 11	SIGNED OFF BY:
DATE: 9-89MAY 0 4 2018	DATE:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

HARDNESS / DUROMETER READING

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA
DRAWING NO.
M304R AJS 08.03 03 BY DATE CP 09.07.15 COPYRIGHT © 2008 BY DART AFROSPACE LTD 304/316 ROUND BAR B REFORMAT DWG, ADD SPECS (ZN D8-1),
A NEW ISSUE DESCRIPTION DESIGN A (S)
DRAWN
CHECKED
MFG. APPR.
APPROVED
DE APPR.
DOTE
DOTE
09.07.15 REV.

WHERE "D.DDD" = DIAMETER IN INCHES PURCHASE MATERIAL: AISI 304/316 SS ROUND BAR (NOTE: AISI 303 NOT ACCEPTABLE)
SPECIFICATION:
ASTM A276 M384RID DDD

(a)

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PART NUMBER:

EG. 0.75" ROUND BAR = M304R0.750

SPECIFICATION CONTROL DRAWING

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co

THYSSENKRUPP MATERIALS NA

Certificate of Mill Test Results

We certify that this is a true copy of the report furnished by the producer of the metal, or data

	BL PEC-000000-000	
Signed by:		Pg 1/

PART NO.

resulting from tests made in approved labs.

	-	-	-
- 1			
- 1			4
-1			
- 1			

CHANDAN STEEL LIMITED

(GOVT, OF INDIA RECOGNISED EXPORT HOUSE) 190 9001 : 2008 CERTIFICATE No. 04 100 011023

ADM, OFFICE: No. SUBHEAGAL N. S. PATKAR NARG, MUNGAI 400 NO., DADG

Tel.: 91-22-66290600. Pex.: 91-22-66290633/54 Walnute : www.chandansteel.net

Email : cd@chandenstrel.net

L/c. No.: L/c. Date: WORKS: Plot No. 35, G. L D. C., Umbergnon

Attn:

Dist Valued, Gujarat - 396 17L.

Tel: 91-260-508 9999 Fax: 91-260 308 9872

B-mail : exports@chandanstrel.net

F824 QC 09A / 02 / 10.12.2012

MILL TEST / INSPECTION CERTIFICATE 3.1

ACCORDING TO EN 10204 : 2005 Test Certificate No. : EXP/00322 - 19/2016-2017 FIDELITY PAC METALS LTD . : 04.07.2016 Date of Issue 1303 NORTH SERVICE ROAD EAST. : P004712 P.O. No. UNIT #1 OAKVILLE. SC_No. & Date : 15-16/00924, Dt. 13.04.2016 ON L6H 1A7. : EXP/00322/2016-17 Dt.04.07.2016 Invoice No. & Date CANADA Net Wt. LENGTH PRODUCT DESCRIPTION Actual Ordered STAINLESS STEEL ROUND BARS 1118 LBS. 12' - 12'6" 12' - 12'6" Grade Process Route Tolerance Heat No. AISI/DIN mm/inches Electric Melting, A.O.D. Refining, 304/304L Continuous Casting. h9 1.4301/1.4307 1-3/4" CH-4346 UNS#S30400/S30403 CHEMICAL COMPOSITION (Weight %) Co N Ni Cu Mo Cr Si P C Mn 8.00 . 18.00 Min. 0.1000 20.00 1.00 10.50 1.00 0.045 0.030 0.030 1.00 2.00 Max. 010 0.0700 0.38 18.06 0.32 8.04 0.025 0.43 1.64 0.040 0.020 Results MECHANICAL PROPERTIES Test Method:-Charpy 'V' Notch Impact Test Method :- HN ISO 6892-1 Hardness Tested (2mm) as per DIN EN ISO 148-1 Reduction Elongation after **Proof Strength** EN ISO Specified Tensile Strength Sample Size -6506-1 N/mm²/MPa of Area Values N/mm²/MPa Practure A Test Temp, > 20 °C (Joules) (Rm) (BHN) 0.2%(Rp0.2) 1%(Rp1.0) 11 П AVE

52

Results Remarks:

1. Smooth Turned and Polished

338

- 3. PMI test done 100% & found Satisfactory.
- 5. Material is free from mercury contamination.
- 7. Inter-Granular Corrosion Test as per ASTM A262 15 (Pr.E) satisfactory.

381

- 8. No welding or weld repairs were performed on this material while in our possession.

- 9. Micro structure reveals- equipped grains of Austenite & free from carbide Precipitation.

 10. Grain size No. 6-7 of ASTM as per E112-96.

 11. Material is Ultrasonically fusted as per ASTM A388 & found satisfactory.

 12. The material hardness is a Accordance with NACE MR 0175-2009 and NACE MR 0103-2012.

 13. The material Conforms to ASTM AZ/6-15, ASTM A182/A182M-15, ASME SA 182/SA 182M-13, ASTM A479/A479M-15
- ASME SA479/SA-479M-15, ASTM A193/A193M-12b B8 CL1, ASME SA193/SA193M-13 B8 CL1,

648

- ASTM A320/A320M-11 B8 CL1, ASME SA320/SA 320M-10 B8 CL1, AMS-QQ-5-763R COND A, AMS 5639H, AMS 5647H, EN 10088-3: 2014 & DIN EN 10272-2008 Specification.
- 14. Location of sample Off centre, Direction Longitudinal, Test Temp Room Temp., Shape of Test Piece Round,
- 15. Marking details Company Logo, Size, Grade & Heat No.
- The material is manufactured / melt in Chandan Steel Mill and is of Indian Origin.

BUNDLE NO.: 75

COLOUR : RED

195-198

2. Solution annealed at 1050 °C.

6. Both ends Chamfered.

72

N.A.

4. Material is free from radio-active contamination.

N.A.

N.A.

N.A.

B. S. RAUTELA MANAGER - QUALITY ASSURANCE

It is hereby certified that the above results are true and correct in every details and are meeting the requirements of specification & purchase order.

Page 19 of 26

MATERIAL: MGC	R 1.1	25	PO / BATCH	NO:039	179/506		
MATERIAL CERT REC'D: QUANTITY RECEIVED: QUANTITY INSPECTED: QUANTITY REJECTED:		THICKNESS ORDERED: 1,125 THICKNESS RECEIVED: 1,125 SHEET SIZE ORDERED: W/A SHEET SIZE RECEIVED: W/A					
DESCRIPTION	(CI	CR neck (N)			COMMEN.	 ГS	
SURFACE DAMAGE	Y	T/N?	-				
CORRECT FINISH	(Y)	N					
CORROSION	Y	(N)					
CORRECT GRAIN DIRECTION	(Y)	N			,		
CORRECT MATERIAL PER M-DRAWING	Y	N	Ams	-QQ-A-	200/8		
CORRECT THICKNESS	P	N			-, 0		
PHOTO REQUIRED	Y	(0)					
CORRECT REF # TO LINK CERT	(X)	N	Heat	Cott 2	0170649	79	
CORRECT MATERIAL IDENTFICATION	1	N	-				
CORRECT M# ON THE MATERIAL	(Y)	N					
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Υ	N					
DOES THIS REQUIRE AN EXTRUSION REPORT	Υ	(N)					
CUT SAMPLE PIEC						SS CHECK.	
	-	REC		SULTS BELO		5115	1=======
TYPE OF MATERIAL			HRC	HRB	DUR A	DUR D	WEBSTER
SIZE OF TEST SAMPLE		-		-	-		-
HARDNESS / DUROMETER READI	NG	_					
		esters	located in	the Quality Off	ice		
					_		
QC 18 INSPECTION					ENGINEER	ING SIGNO	FF (if required)
INSPECTED BY: 11				SIG	NED OFF BY:		(ii (aqaiiaa)
DATE: 9-89 MAY 0 4	201	0					
DATE: WATU 4	LUI	0			DATE:		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

RELEASED 2009 -09-09

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SPECIFICATION CONTROL DRAWING

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PURCHASE MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR

0

SPECIFICATION: 00-A-225/B-OR-AMS-00-A-225/B (OR AMS 4117/4128/4115/4116)
OB 00_A-200/B OR AMS-00_A-200/B (OR AMS 4160)
OR ASTM BZTT OR ASTM BZ21

PART NUMBER:

M6061T6RID.DDD DIA. WHERE "D.DDD" = DIAMETER IN INCHES

EG. 5/8" ROUND BAR = M6061T6R0.625

U



Service Center Metals

Prince George, VA 23875 5850 Quality Way

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS



OUR ORDER NUMBER 921655 ITEM 20

CERTIFICATION

SPECIFICATION ASTM-B221-14 StencilCont

Ellis Williams 5/26/2017 AMS-QQA-200/8 Rev-A

RoHS 2011/65/EU Compliant

288 pcs CUSTOMER PART NUMBER ALRD00329 Lightning Rod Tite 1.125 +.005/-.004

Copper & Brass Sales, Inc.

Quantity Certified

4,040 lbs

Copper & Brass Sales, Inc.

CUSTOMER PO

ALLOY / TEMPER

SALESPERSON

RD0006

6061-T6511

333947

DIE NUMBER

DATE OF SHIPMENT

5400353007

Can Do.

revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification

description, and that samples representative of the material met the composition limits and had the mechanical properties shown Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6. This product is RoHS-2, REACH, and DFARS compliant.

Chemical Composition for Aluminum Alloy 6061	mposition for	or Alumi	inum Al	loy 6061		L								
O 25+ #	D. N.		2	7	?			?	ł	1	2	Others	ers	10 H O O O O O O O O O O O O O O O O O O
Cast#	Lot No.	Alloy	<u> Ω</u>	Fe	Cu	Mn	Mg	l _C	Zn	H	<u>A</u> L	Each	Total	Melt Source:
00154705054	201707211		24			2							3	
004 14704470	20101010		1	1))				
00171704120	201/0/341	1000	0.12	0.37	0.32	60.0	0.88	0.70	80.0	0.03	97.40	0.05	0.15	United States of America
03191704	201706499	6061	0.76	0.40	0.35	0.11	0.86	0.08	0.09	0.02	97.33	0.05	0.15	United States of America
04271704	201707341	6061	0.73	0.37	0.30	0.10	0.87	0.08	0.06	0.03	97.46	0.05	0.15	United States of America

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